

~~DEVICE FOR CLASSIFYING CELL~~

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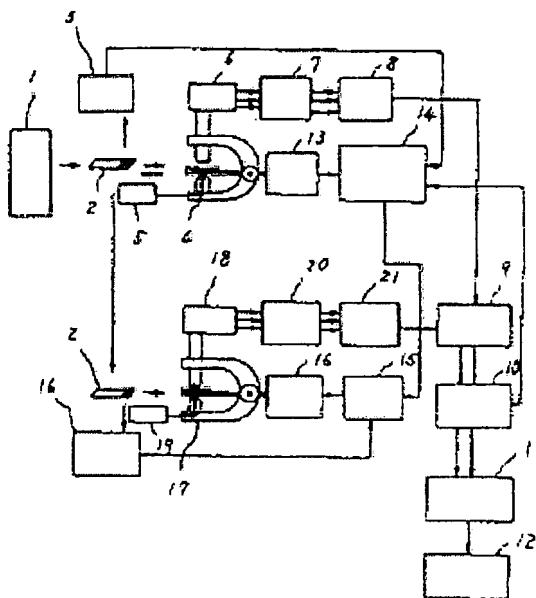
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**Abstract of JP61032182**

**PURPOSE:** To decrease a measuring time by classifying cells roughly in the range of cells considered to be correct on the accuracy of classification by means of a low magnification microscope at first and applying accurate classification with high accuracy by means of a high magnification microscope as to cells not classified surely by the low magnification microscope. **CONSTITUTION:** A sample 2 subjected to normal dying is moved by a sample automatic loader 1, mounted on an XY stage of a low magnification microscope 4 and the XY stage is controlled by a controller 13. After automatic focusing, a camera 6 and a white corpuscle detector provided in the microscope 4 detect the position of white corpuscles scattered in the visual field at each visual field and the picture of the white corpuscles, and after the picture signal is subjected to A/D conversion 7, the result is stored in a memory 8. The characteristic such as size and shape is extracted from the picture in the memory 8 by a characteristic extracting device 9, and the extracted data is subjected to classifying processing by a white corpuscle identification computer 10 and the position of an abnormal corpuscle is stored in a memory 14. After a prescribed number of white corpuscles are identified, the sample 2 is carried to a high magnification microscope 18 and accurate information is picked up from the abnormal corpuscles.



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